	Search Terms
-	ARRAY
2	ARRAYS
က	AUTOMOBILE
4	AUTOMOBILES
2	CAR
9	CARS
7	CONDUIT .
®	CONDUTTS
6	CONTROL
9	CONTROLS
=	. ECM
12	
13	EQJ
4	EQUS
15	ELECTRONIC
16	ELECTRONICS
12	ENCINE
18	ENCINES
19	FLUID
20	FUIDS
21	DEL
22	PJELS
23.	ΠNE
24	ΠNES
25	дП
56	SÒП
27	ΟΙΛΟΊ
28	ПОЛІDS
29	MODNIE
30	MODNIES
31	Elle
32	PIPES
33	PINING
- 1	SENSED
35	SENSEDS
	SENSOR
	SENSORS
38	VEHICLE

	Total	USPAT	US-PGPUB	EPO	Odc	Derwent	IBM TDB	USOCR
_	663333							
2	188990							
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27	2267277							
28	289880							
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31	1117980							
32	367568							
33	145386							
34	248282							
35	3	***************************************						
36	1224141							
37	481214							
38	1455467							

	Search Terms
39	VEHICLES
40	PIPINGS
41	(((((array same (sensed or sensor)) and ((ecm or ecu) or (module same (electronic or engine) same control))) and (fuel same (piping or conduit or pipe or line))) and (automobile or car or vehicle)) and (fuel or fluid or liquid)) and (conduit or pipe or line))

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39	483642							
9	11262							
14	2							(

-		Document ID	Issue Date	Pages	Title	Current OR
	ļ	US 20040142603 A1	20040722	24	Attachable modular electronic systems	439/701
	ļ <u>-</u>	US 20040138027 A1	20040715	13	Method of controlling a motor vehicle with an automated clutch device	477/175
	ļ	US 20040130442 A1	20040708	224	Wireless and powerless sensor and interrogator	340/443
		US 20040049324 A1	20040311	115	Electrically controlled automated devices to operate, slow, guide, stop and secure, equipment and machinery for the purpose of controlling their unsafe, unattended, unauthorized, unlawful hazardous and/or legal use, with remote control and accountability worldwide	701/1
	ļ -	US 20040045379 A1	20040311	6	Hydraulic and electric umbilical connection for an inspection vehicle for inspecting a liquid-filled tank	73/865.8
		US 20040039514 A1	20040226	30	Method and apparatus for controlling a gas-emitting process and related devices	701/109
	ļ·····	US 20040026142 A1	20040212	21	Method and apparatus for selective operation of a hybrid electric vehicle powerplant	180/65.3
	•	US 20040024502 A1	20040205	117	Equipment service vehicle with remote monitoring	701/33
	†····	US 20040007404 A1	20040115	20	Hybrid electric vehicle and method of selectively operating the hybrid electric vehicle	180/65.2
		US 20040002794 A1	20040101	100	Steering control system and method	701/1
		US 20030221118 A1	20031127	102	Automated accounting system that values, controls, records and bills the uses of equipment/vehicles for society	713/193
	:	US 20030216856 A1	20031120	17	Diagnostic systems for turbocharged engines	701/114
	:·····	US 20030200015 A1	20031023	17	Equipment service vehicle having on-board diagnostic system	701/33
	;	US 20030195680 A1	20031016	17	Equipment service vehicle having on-board diagnostic system	701/33
	!·····	US 20030187567 A1	20031002	35	Neural control system and method for alternatively fueled engines	701/104
	:	US 20030158640 A1	20030821	118	Equipment service vehicle with network-assisted vehicle service and repair	701/33
	,	US 20030158638 A1	20030821	117	Control system and method for electric vehicle	701/22
		US 20030158635 A1	20030821	115		701/1
		US 20030118891 A1	20030626	21	Temperature controlling apparatus for battery, vehicle apparatus using the same, and controlling method therefor	429/62
1				***************************************		***************************************

1 Wakker, J. Thorness ⊠ □		Current XRef	Retrieval Classif	Inventor	S	C	Ь	7	က	4	2	Image Doc. Displayed	М
2007499 Resety, Carsten et al.	-			<u>ا</u> ب	\boxtimes							JS 20040142603	
340,449 Breed, Danid S. et al. C	2			Rustige, Carsten et al.								JS 20040138027	
701/36 Walker, Richard C. C	3	340/449		Breed, David S. et al.							1	JS 20040130442	
123/674; Steichen, Eugene B. et al. C	4	701/36		Walker, Richard C.								JS 20040049324	
123/674; Steichen, John Carl et al. Cl	2			Silverman, Eugene B. et al.								JS 20040045379	
Squintz, Robert W. et al. Cl		123/674; 123/703; 700/32		Steichen, John Carl et al.								JS 20040039514	
701/2 Squires, Bradley C. et al. Cl.	7			Schmitz, Robert W. et al.								JS 20040026142	
Schmitz, Robert W. et al. Cl.		701/2		Bradley C.								JS 20040024502	
701/36 Pillar, Duane R. et al. C	6			Schmitz, Robert W. et al.								JS 20040007404	
walker, Richard C. Walker,		701/36		Pillar, Duane R. et al.								JS 20040002794	
340/438; Pillar, Duane R. C	11	,		Walker, Richard C.								JS 20030221118	
340/438; Pillar, Duane R. Pillar, Duane R. et al. Pillar, Duane R. et al. <t< th=""><td></td><td></td><th></th><th>Jacobson, Evan Earl</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>JS 20030216856</td><td></td></t<>				Jacobson, Evan Earl								JS 20030216856	
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701/109 Sulatisky, Midhael Theodore et al. Image: Control of the		340/438; 701/29		Pillar, Duane R.								JS 20030195680	
701/29 Pillar, Duane R. et al. Consolution Consolutio		701/109		Sulatisky, Michael Theodore et al.								JS 20030187567	
180/65.3 Yakes, Christopher K. et al.	16	701/29		Pillar, Duane R. et al.								JS 20030158640	
340/425.5 Pillar, Duane R. et al. \(\text{Dilar, Duane R. et al.} \) \(\text{Dilar, Dilar, Duane R. et al.} \) \(\text{Dilar, Duane R. et al.} \) \(Dil		180/65.3		ಕ								JS 20030158638	
180/65.3; 180/65.8; Saito, Mitsunobu et al. \rightarrow \rightarro	18	340/425.5										JS 20030158635	
		180/65.3; 180/65.8; 429/120		Saito, Mitsunobu et al.							3	JS 20030118891	

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Current OR	436/55	180/65.2	713/200	701/114	701/105	701/104	701/36	180/65.2	73/304C	73/118.2	701/115	701/33	123/478	123/299	123/446
Title	Continuously-variable control of pollution reducing chemicals for combustion sources	Hybrid electric vehicle and method of selectively operating the hybrid electric vehicle	Electrically controlled automated devices to operate, slow, guide, stop and secure, equipment and machinery for the purpose of controlling their unsafe, unattended, unauthorized, unlawful hazardous and/or legal use, with remote control and accountability worldwide	Diagnostic systems for turbocharged engines	Diesel engine injection timing signal interceptor module	Neural control system and method for alternatively fueled engines	Electrically controlled automated devices to control equipment and machinery with remote control and accountability worldwide	Hybrid electric vehicle and method of selectively operating the hybrid electric vehicle	Fuel system	Method and apparatus for determining the air charge mass for an internal combustion engine	Programmable internal combustion engine controller	Equipment service vehicle having on-board diagnostic system	Method for controlling a fuel system of a multiple injection system	Separate injector main timing maps for use with and without pilot	Apparatus and method for controlling fuel injection signals during engine acceleration and deceleration
Pages	8	20	118	16	31	4 5 ·	114	20							
Issue Date	20030612	20020725	20011227	20040831	20040420	20040203	20031111	20030923	20030617	20030513	. 50030506	20030422	20030121	20021029	20020924
Document ID	US 20030109047 A1	US 20020096375 A1	US 20010056544 A1	US 6785604 B2	US 6725148 B1	US 6687597 B2	US 6647328 B2	US 6622804 B2	US 6578416 B1	US 6561016 B1	US 6560528 B1	US 6553290 B1	US 6508233 B1	US 6470849 B1	US 6453874 B1
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70	422/62		Valentine, James M.								US 20030109047	
21			Schmitz, Robert W. et al.								US 20020096375	
22	180/170		Walker, Richard C.								US 20010056544	
23	701/115		Jacobson, Evan Earl								US 6785604	
24	123/480; 701/115		Stewart, Ted E. et al.								US 6725148	
25	123/480; 123/525; 123/575; 701/106; 701/109		Sulatisky, Michael Theodore et al.								US 6687597	
56	701/2		Walker, Richard C.								US 6647328	
27	180/65.3; 290/40R		Schmitz, Robert W. et al.								US 6622804	
78	73/290R		Vogel, Steven M. et al.									
53			Suhre, Blake R. et al.									
30	123/406.62; 123/480; 701/101; 701/102; 701/114		Gitlin, Ronald D. et al.									
31			Pillar, Duane R.									
32	123/299; 123/472		Suhre, Blake R. et al.									
33	123/300; 123/305; 123/501		Duffy, Kevin P. et al.	□ <u>`</u>								
34	123/300; 123/480; 123/492; 123/493		Duffy, Kevin P. et al.									

	n	=	Document ID	Issue Date	Pages	Title	Current OR
35	⊠		US 6450149 B1	20020917		Method and apparatus for controlling overlap of two fuel shots in multi-shot fuel injection events	123/480
36	Ø		US 6390082 B1	20020521		Method and apparatus for controlling the current level 123/682 of a fuel injector signal during sudden acceleration	123/682
37	⊠		US 6386176 B1	20020514		Method and apparatus for determining a start angle for a fuel injection associated with a fuel injection signal	123/299
88	☒		US 6378506 B1	20020430		Control system for an engine supercharging system	123/564
39	⊠		US 6370454 B1	20020409		Apparatus and method for monitoring and maintaining mechanized equipment	701/29
40	⊠		US 6313753 B1	20011106		Fill and discharge service alignment device	340/686.2
41	⊠		US 6308671 B1	20011030		Method of increasing torque and/or reducing emissions by varying the timing of intake and/or exhaust valves	123/90.15
42	Ø		US 6289881 B1	20010918		Conversion system with electronic controller for utilization of gaseous fuels in spark ignition engines	123/525
43	☒		US 6237647 B1	20010529		Automatic refueling station	141/94
4	☒		US 6196188 B1	20010306		System and method for maintaining a constant throttle deadband	123/350
45	⊠		US 6154658 A	20001128		Vehicle information and safety control system	455/466
46	⊠		US 6149062 A	20001121		Interface with hand-held data capture terminal, proximity and label sensing, and enhanced sensitivity and power efficiency	235/472.01
47	☒		US 6148808 A	20001121		Individual cylinder fuel control having adaptive transport delay index	123/673
48	Ø		US 6145494 A	20001114		Conversion system with electronic controller for utilization of gaseous fuels in spark ignition engines	123/525
49	☒		US 6102019 A	20000815		Advanced intelligent fuel control system	123/674

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35	123/299		McGee, Brian G.									
36	123/490; 123/492		Duffy, Kevin P. et al.									
37	123/300; 123/500		McGee, Brian G.							. 🗆		
38	60/605.1		Suhre, Blake R. et al.									
39	340/438; 701/30; 701/33		Moore, James T.									
40	340/435; 340/438; 340/517; 340/524; 340/686.1;		Butler, Albert E.									
41	123/399; 123/478		Reed, Dennis C. et al.									
42	123/406.32; 123/575; 123/577		Klopp, Gerhard O.									
43	141/231; 141/98		Pong, William et al.									
4	123/683		Janic, Dusan M. et al.									
45	455/552.1; 455/557; 455/569.2; 455/66.1; 455/72; 455/99		Caci, Joseph Claude									
46	235/472.02		Danielson, Arvin D. et al.									
47	123/674		Kainz, Jeff Leon									
84	123/406.32; 123/577		Klopp, Gerhard O.									
49	701/109		Brooks, Timothy J.									

		20000502	Sonotube compatible unmanned aerial vehicle and system	244/3.15
	US 5914481 A	19990622	Portable data collection terminal with handwritten input area	235/462.15
	US 5892971 A	19990406	Portable data processing device having an indicia reader and a multi-tasking operating system capable of executing battery monitoring instructions while concurrently executing application programs	710/7
	US 5832901 A	19981110	Fuel injection control apparatus and method for an internal combustion engine	123/478
	US 5786750 A	19980728	S	340/425.5
	US 5778858 A	19980714	Fuel injection split engine	123/481
	US 5627508 A	19970506	Pilot vehicle which is useful for monitoring hazardous conditions on railroad tracks	340/425.5
95 SN 🔲 🔯 25	US 5623244 A	19970422	Pilot vehicle which is useful for monitoring hazardous conditions on railroad tracks	340/425.5
85 SU 🗆 🖂 85	US 5561332 A	19961001	Vehicle anti-theft device having back-up means should the ECU fail, but preventing theft if the ECU was intentionally damaged	307/10.5
59 🖂 US 54	US 5490490 A	19960213	On-board gas composition sensor for internal combustion engine exhaust gases	123/697
60 🖂 US 54	US 5465079 A	19951107	Method and apparatus for determining driver fitness in real time	340/576
61 🛭 🖂 US 49	US 4943014 A	19900724	Soft ride method for changing the altitude or position of a spacecraft in orbit	244/158R
62 🛭 🖂 us 48	US 4893815 A	19900116	d military	463/47.3

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20	244/120; 244/49; 244/58		Woodland, Richard L. K.									
51			Danielson, Arvin D. et al.								·	
52	710/20		Danielson, Arvin D. et al.									
53	123/480		Yoshida, Masato et al.	-								
54	246/121; 246/166; 246/167R; 340/539.1; 340/566		Cooper, Guy F.									
55			Garabedian, Arthur									
26	246/166.1; 246/167R; 340/539.1; 340/566; 73/636		Cooper, Guy F. et al.									
57	246/166; 246/167R; 340/938		Cooper, Guy F.									
28	123/198DB; 123/198DC; 180/287; 701/36		Udo, Hiroshi et al.									
59	123/703; 356/318; 73/23.32		Weber, Willes H. et al.		Q							
09	180/272; 340/425.5; 340/439		Bouchard, Paul J. et al.									
61	244/160; 244/169; 244/172		Harwood, Oliver P. et al.									
62	42/1.08; 42/1.16; 89/1.11		Rowan, Larry									

)	-	Document ID	Issue Date	Pages	Title	Current OR
63	⊠		⊠			19860311 Spacecraft for use in conjunction with a reusable 244/172 space shuttle	244/172
2			US 4127766 A			Automatic and accurate passenger counter with storage and retrieval	377/6

	Current XRef	Retrieval Classif	Inventor	S	C	Ь	2	3	4	2	Image Doc. Displayed
<u> </u>	244/158R		Harwood, Oliver P. et al.								
i	235/98C; 340/674; 377/39;		235/98C; 340/674; 377/39; Thayer, Stephen C.								

235/98C; 340/674; 377/39; 377/53

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Search Terms	ANCHEZ-RAMON	(DINA-10GE TN.) OD (DINA-SANCHEZ IN.) OD (CANCHEZ-DAMON IN.)
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A C+C7C0C 31 11 []	Issue Date	Pages	Title	Current OR
15 US 39/6212 A	19760824	4	3760824 4 Auto wheels placer	414/428

	Current XRef	Retrieval Classif	Inventor	S	ပ	۵	2	8	4	2	Image Doc. Displayed	ద
<u>-</u>	254/10R		Sanchez, Ramon	⊠							JS 3976212	

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O- Journals & Magazines	Example: optical <and> (fiber <or> fibre) <in> ti 3) Limit the results by selecting Search Options.</in></or></and>	IEEE Conference proceedingsIEE Conference proceedings
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O- Standards	<pre>(array<or>arrays)<paragraph> (sensor<or>sensing)<and> (fluid<or>fluids)</or></and></or></paragraph></or></pre>	Select years to search: From year: All to Present
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(array<or>arrays)<paragraph>(sensor<or>sensing)<ani

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Results Key:

STD = Standard JNL = Journal or Magazine CNF = Conference

1 Creating the illusion of shape for virtual environments

Taylor, P.M.; Creed, A.J.; Sianaki, A.H.; Varley, C.J.; Moser, A.;

Innovative Actuators for Mechatronic Systems, IEE Colloquium on , 18 Oct 1995

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Stoeber, B.; Liepmann, D.;

Microtechnologies in Medicine and Biology, 1st Annual International, Conference

On. 2000 , 12-14 Oct. 2000

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3 Design and fabrication of light driven micropump

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4 Assessment of performance of fringing electric field sensor arrays

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5 Solid state tritium detector for biomedical applications

Gordon, J.S.; Farrell, R.; Daley, K.; Oakes, C.;

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5 Characterization of one-dimensional capacitive micromachined

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[Abstract] [PDF Full-Text (1420 KB)] refe JNL

7 Refraction and shoaling of surface waves by currents and topography as observed by HF radars

Haus, B.K.; Graber, H.C.; Ramos, R.;

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8 Derivation of a 1D CMUT model from FEM results for linear and nonlinear equivalent circuit simulation

Lohfink, A.; Eccardt, P.-C.; Benecke, W.; Meixner, H.; Ultrasonics, 2003 IEEE Symposium on , Volume: 1 , 5-8 Oct. 2003

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9 A Si-based FPW sensor array system with polymer microfluidics integrated on a PCB

Dube, C.E.; Fiering, J.O.; Mescher, M.J.;
Sensors, 2002. Proceedings of IEEE, Volume: 1, 12-14 June 2002

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[Abstract] [PDF Full-Text (585 KB)] IEEE CNF

10 A power-free surface-tension-driven fluidic network system for largearray enzyme immobilization and glucose sensing

Fan-Gang Tseng; Kuang-Hua Lin; Hui-Ting Hsu; Yu-Hsiang Chang; Ching-Chang

Micro Electro Mechanical Systems, 2003. MEMS-03 Kyoto. IEEE The Sixteenth Annual International Conference on , 19-23 Jan. 2003

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[Abstract] [PDF Full-Text (332 KB)] IEEE CNF

11 Chesapeake Instrument Corporation project TOAD: principles and applications of Towflex hydrophones

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Oceanic Engineering, IEEE Journal of, Volume: 29, Issue: 2, April 2004

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12 Microsensors and actuators for macrofluidic control

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